



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Jennifer L. West, et al.

Confirmation No. 9465

SERIAL NO.: 10/789,542

FILING DATE: July 14, 2000

EXAMINER: G. COUNTS

GROUP ART UNIT: 1641

FOR: Metal Nanoshells for
Biosensing Applications

INFORMATION DISCLOSURE STATEMENT

Attorney Dkt. No.: 1789-03506

Date: March 22, 2005

Mailstop Amendments
Commissioner for Patents
P. O. Box 1450
Alexandria, VA. 22313-1450

Sir:

This Information Disclosure Statement, including completed Form PTO-1449, comprises a list of pertinent art of which Applicants are aware.

The submission of this Information Disclosure Statement and the references submitted therewith is not an admission that the art cited is "prior" with respect to the present invention, nor is it a representation, that no better art exists. Applicants hereby reserve the right to swear behind or otherwise disprove any alleged "prior" nature of any art cited should the facts support and the situation warrant such an action. It is submitted that the art cited does not constitute a bar to the patentability of Applicants' invention under 35 U.S.C. § 102 or § 103.

Consideration of the following related applications and additional information is requested:

U.S. patent application serial No. 09/616,154 filed July 14, 2000 and U.S. patent application Serial No. 09/038,377 filed March 11, 1998.

Pursuant to 37 C.F.R. § 1.98 (d), copies of certain publications, or other information, as specified in 37 C.F.R. § 1.98 (a), listed in the attached Form PTO-1449 are not provided herewith, as they have been previously submitted to, or cited by, the Office in the above-mentioned earlier U.S.

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147208.01/1789.03506

Patent Application(s). The Information Disclosure Statement filed in the earlier application(s) complies with 37 C.F.R. § 1.98 (a)-(c).

Because an Office Action has been entered in this case, this Information Disclosure Statement is being filed under C.F.R. 1.97(c). Applicant hereby authorizes the Commissioner to charge Deposit Account 03-2769 of Conley Rose, P.C. the amount of \$180 so that this Information Disclosure Statement may be considered.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Marcella D. Watkins', is written over a horizontal line.

Marcella D. Watkins
Reg. No. 36,962
Conley, Rose P.C.
P.O. Box 3267
Houston, Texas 77253-3267
(713) 238-8000
AGENT FOR APPLICANTS

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Applicant
Jennifer L. West et al.Filing Date
February 27, 2002Group
1641**REFERENCE DESIGNATION U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	AA*	3856398	12/1974	Taylor	355	64	
	AB*	4099854	07/1978	Decker et al.	350	312	
	AC*	4123396	10/1978	Rembaum et al.	526	24	
	AD*	4313734	02/1982	Leuvering	23	230	
	AE*	4416998	11/1983	Adams et al.	436	86	
	AF*	4452773	06/1984	Molday	424	1.1	
	AG*	4481091	11/1984	Brus et al.	204	157.1	
	AH*	4624923	11/1986	Margel	435	176	
	AI*	4877647	10/1989	Klabunde	427	123	
	AJ*	4979821	12/1990	Schutt et al.	356	246	
	AK*	5023139	06/1991	Birnboim et al.	482	402	
	AL*	5025147	06/1991	Durig et al.	250	216	
	AM*	5213788	05/1993	Ranney	424	9	
	AN*	5213895	05/1993	Hirai et al.	428	403	
	AO*	5249077	09/1993	Laronga et al.	359	385	
	AP*	5266498	11/1993	Tarcha et al.	436	525	
	AQ*	5322798	06/1994	Sadowski	436	113	
	AR*	5338353	08/1994	Uchino et al.	106	426	
	AS*	5376556	12/1994	Taracha et al.	436	525	
	AT*	5427767	06/1995	Kresse et al.	424	9	
	AU*	5445972	08/1995	Tarcha et al.	436	544	
	AV*	5451525	09/1995	Shenkin et al.	436	63	
	AW*	5479024	12/1995	Hillner et al.	250	458.1	
	AX*	5501949	03/1996	Marshall	435	5	
	AY*	5521289	5/1996	Heinfeld et al.	530	391.5	
	AZ*	5545250	08/1996	Bergmann et al.	75	252	
	BB*	5552086	09/1996	Siiman et al.	252	408.1	
	BB*	5567628	10/1996	Tarcha et al.	436	525	
	BC*	5599668	02/1997	Stimpson et al.	435	6	
	BD*	5779976	07/1998	Leland et al.	422	52	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP '609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

* Previously Cited in Parent Case

Form PTO-1449 (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)						Atty. Docket No. 1789-03506		Serial No. 10/789,542	
						Applicant Jennifer L. West et al.			
						Filing Date February 27, 2002		Group 1641	

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	BE*	5817462	10/1998	Garini et al.	435	6	
	BF*	5845083	12/1998	Hamadani et al.	395	200.61	
	BG*	5935779	08/1999	Massey et al.	435	6	
	BH*	5938617	08/1999	Vo-Dinh	600	476	
	BI*	5945293	08/1999	Siiman et al.	435	24	
	BJ*	5962218	10/1999	Leland et al.	435	6	
	BK*	5990479	11/1999	Weiss et al.	250	307	
	BL*	6078782	06/2000	Leland et al.	455	6	
	BM*	6149868	11/2000	Natan et al.	422	82.05	
	BN*	6156173	12/2000	Goth et al.	204	403	
	BO*	6180415	01/2001	Schultz et al.	436	518	
	BP*	6344272	02/2002	Oldenburg	428	403	
	BQ	6699724	03/2004	West et al.	436	525	

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	Translation	
							YES	NO
	BR*	WO90/11890	10/1990	WIPO				
	BS*	WO97/40181	10/1997	WIPO				
	BT*	WO98/04740	02/1998	WIPO	C12Q	1/68		
	BU*	WO98/33070	07/1998	WIPO	G01N	33/543		

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)	
	BV* M. M. Alvarez et al., <i>Optical Absorption Spectra of Nanopacrysal Gold Molecules</i> , J. Phys. Chem B (1997), Vol. 101, pp. 3706-3712
	BW* Bimboim, Meyer H., "Nonlinear Optical Properties of Structured Nanoparticle Composites", Mat. Res. Soc. Symp. Proc. Vol. 164, 1990, pp. 277-282
	BX* Nedeljkovic, Jovan, "Observation of Plasmon-Enhanced Optical Extinction in Silver-Coated Silver Bromide Nanoparticles", American Institute of Physics, June 3, 1991k pp. 2461-2463
	BY* Oldenburg, S.J., "Nanoengineering of Optical Resonances" Chemical Physics Letters 288 (1988), pp. 243-247
	BZ* Westcott, Sarah, "Formation and Adsorption of Clusters of Gold Nanoparticles onto Functionalized Silica Nanoparticle Surfaces" Langmuir, 1998, vol. 14, No. 19, pp. 5396-5401
	BA* Zhou, H.S., "Controlled Synthesis and Quantum-Size Effect in Gold-Coated Nanoparticles", American Physical Society, 1994, vol. 50, No. 16, pp. 12 052-12 056

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP '609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

* Previously Cited in Parent Case